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HANDBOOK
OPERATION, SERVICE AND REPAIR INSTRUCTIONS

TYPE B-6

10-TON HYDRAULIC TRIPOD JACK

(MEDICO ELECTRIC MOTOR CO.)

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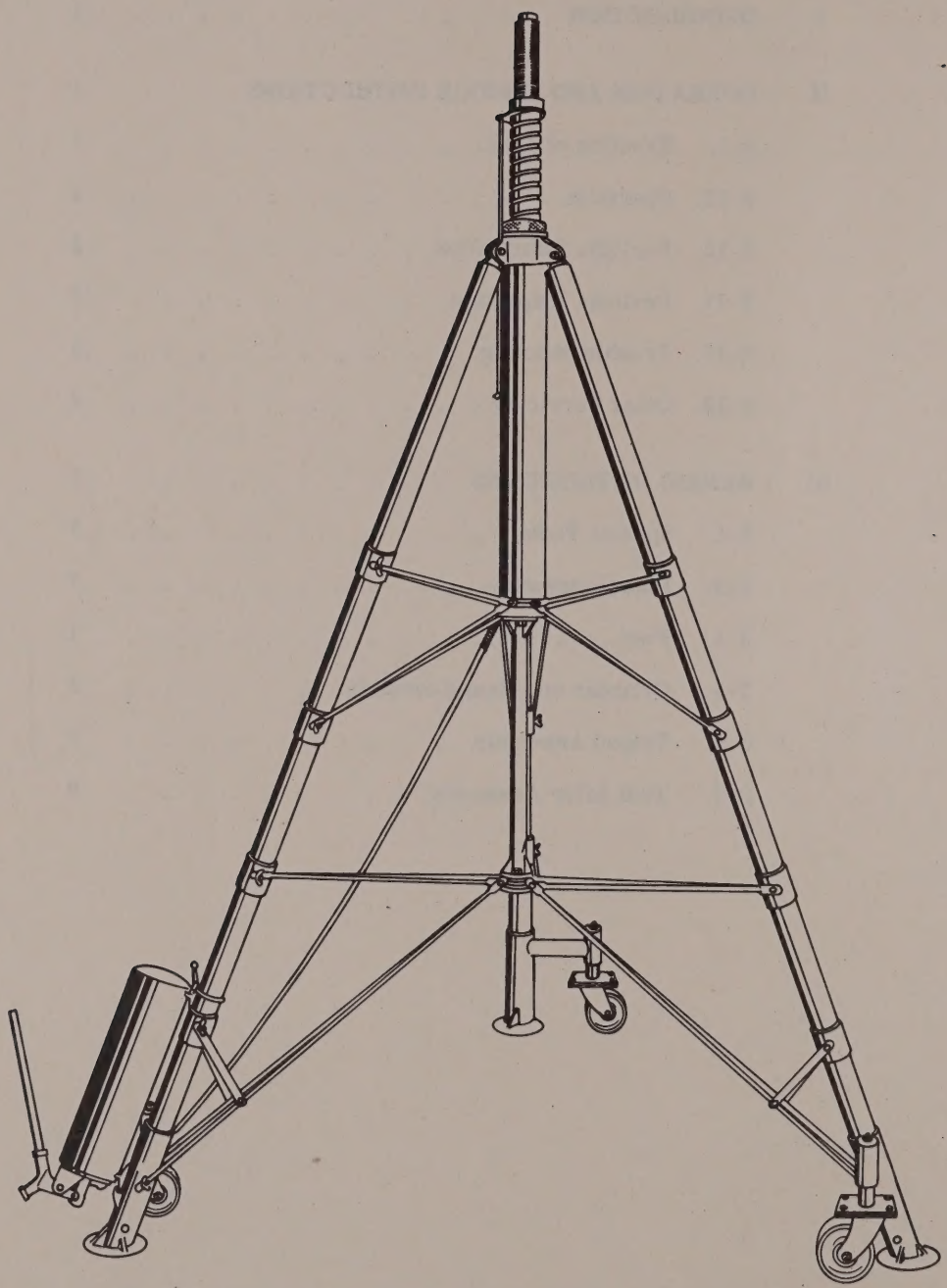


Figure 1-1. Type B-6, 10-ton Hydraulic Tripod Jack

SECTION I

INTRODUCTION

1-1. This publication contains descriptive data and instructions for the operation, service, and repair of the Type B-6, 10-Ton Hydraulic Tripod Jack manufactured by Medico Electric Motor Company, Pittston, Pennsylvania.

1-2. PURPOSE. The purpose of the jack is to provide up to 10 tons of hydraulic lifting effort through a range of 36 inches fully collapsed, to approximately 152 inches fully extended.

1-3. LEADING PARTICULARS.

TABLE I. LEADING PARTICULARS

Rated capacity	10 tons
Collapsed height	36 in.
Maximum extended height	152 in.
Hydraulic lift	26 in.
Ram screw extension	18 in.
Leg extensions	4 in.
Leg extension lengths	18 in.
Working pressure	2235 psi
Total Weight	371 lb

SECTION II

OPERATION AND SERVICE INSTRUCTIONS

2-1. ERECTION OF JACK (See Figure 2-1).

2-2. GENERAL. The jack may be assembled to any of five basic closed heights by the use of leg extensions. Figure 2-1 shows the jack with all the extensions in use and the various other closed heights obtainable by varying the leg extensions.

2-3. 36-INCH CLOSED HEIGHT. For this height the cylinder and ram assembly is mounted onto the three legs and the foot assemblies are mounted directly on the bottoms of the legs. Six of the No. 1 braces are used.

2-4. 54-INCH CLOSED HEIGHT. For this height the assembly is the same but one leg extension is used on each leg with the foot assembly mounted on the leg extension. Six each of the No. 1 and No. 2 braces are used.

2-5. 72-INCH CLOSED HEIGHT. For this height the assembly is the same as above with the addition of a second set of three leg extensions, tension bar and web, and six No. 3 braces.

2-6. 90-INCH CLOSED HEIGHT. For this height the assembly is the same as above with the addition of a third set of three leg extensions and set of six No. 4 braces.

2-7. 108-INCH CLOSED HEIGHT. For this maximum closed height all four sets of three leg extensions are used. Brace No. 4 is swung down from its previous position and attached to the leg extension with the link and to the foot with brace No. 5.

2-8. PUMP. To mount the pump set the lower pump foot in the notched jack foot lug and attach the top pump foot to the leg extension with the clamp assembly. Fill the pump reservoir with oil (Specification MIL-O-5606) within one inch of the filler hole. The capacity is approximately 1.1 gallons.

2-9. Lay the jack cylinder on its side with the inlet, at the bottom of the cylinder, pointing upward. Complete the assembly to the desired height; bleed air out as instructed below.

2-10. BLEEDING AIR FROM SYSTEM. With the jack lying on its side so that the cylinder fitting is up, pour the oil into the opening and allow the air to rise to the top. Attach the hose to the pump and, with the free end held higher than the attached end, operate the pump until the oil completely fills the hose. Attach the hose to the cylinder fitting and set the jack upright.

2-11. If, after operation of the ram, air is found to be still present, as indicated by springiness of the ram or slowness in starting to rise, loosen the hose connection at the base of the cylinder, operate the pump to force air bubbles out of the system, and tighten the fitting. Repeat as necessary.

2-12. OPERATION.

2-13. POSITIONING. The ground surface under the jack should be level. If ground is soft, a board or plank should be placed under each foot. Jack should be placed so that a line drawn through the center of two of the feet will be parallel to the fuselage of the airplane or load to be lifted.

2-14. RAISING (See Figure 2-1).

a. Turn the extension screw out until the jack pad socket contacts the airplane jack pad.

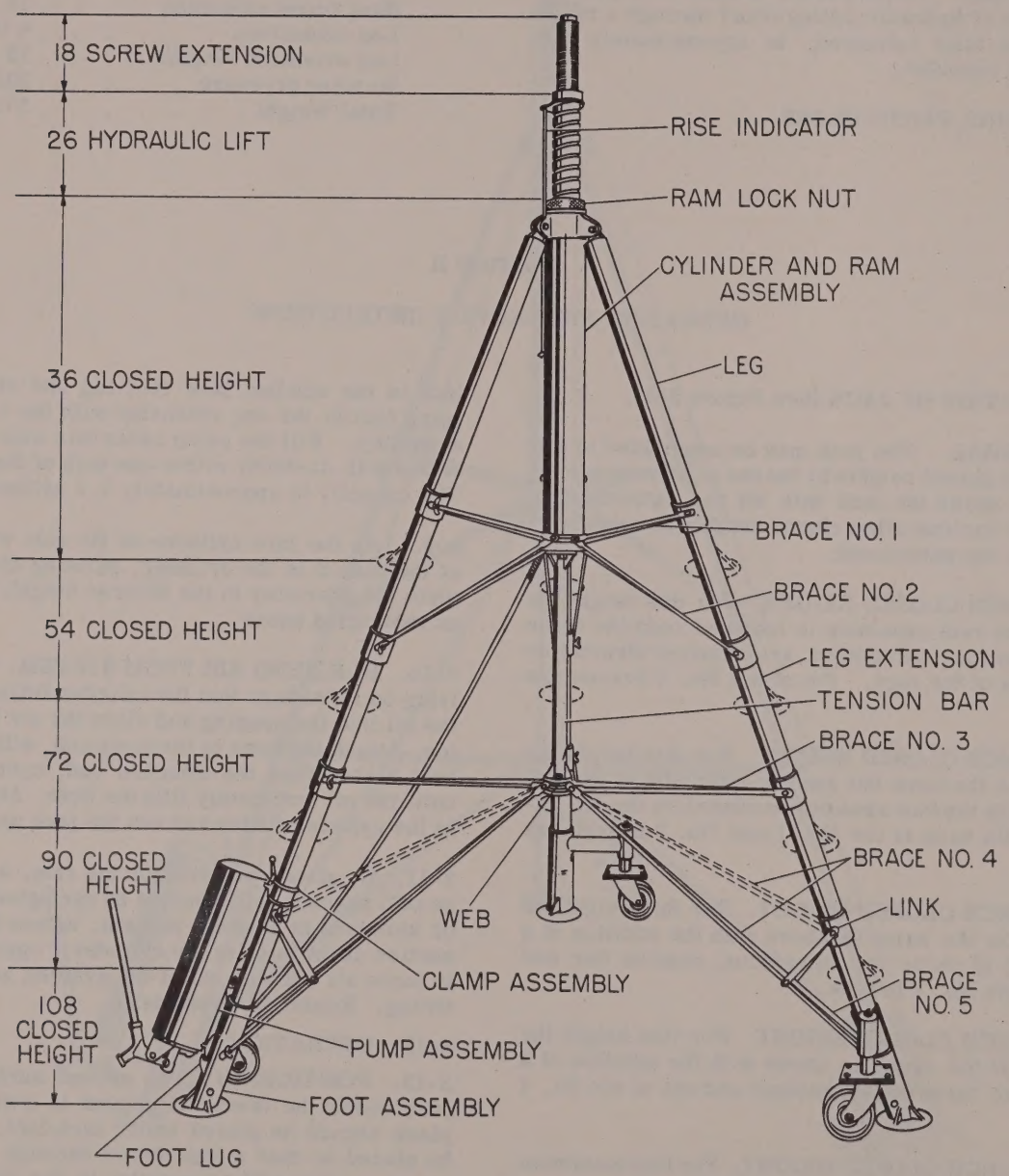


Figure 2-1. 10-Ton Hydraulic Tripod Jack - Erection Diagram

CAUTION

Do not extend the extension screw more than 18 inches.

b. Position rise indicator pointer on the "zero" inch line on the indicator scale.

c. Loosen the retaining screw on the ram lock nut so that the lock nut may lower by its own weight as the ram is extended.

d. On the pump unit (Figure 2-2) loosen the air vent (1) on the top of the reservoir and securely tighten the release valve (2).

2-15. LOWERING.

a. Turn the lock nut (figure 2-1) to the top of the ram and secure it with the retaining screw.

b. Slowly open the release valve (2, figure 2-2) until the desired rate of lowering is obtained.

c. After ram is completely lowered, close the air vent (1, figure 2-2).

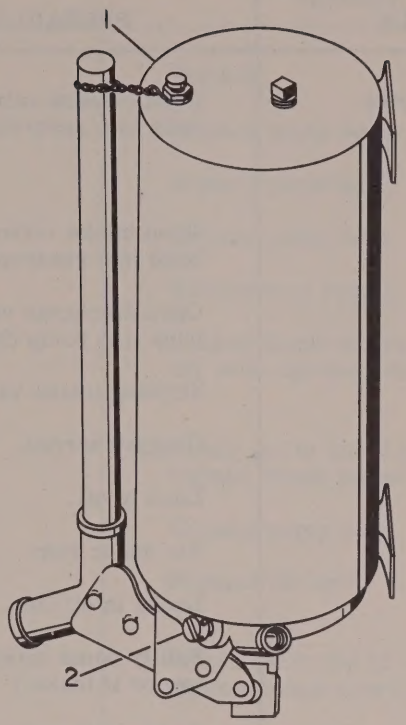
d. Lower the extension screw (figure 2-1).

e. Close release valve (2, figure 2-2).

2-16. PERIODIC LUBRICATION. Once a month wipe the extension screw and ram clean and apply a thin film of lubricating oil (Specification VV-O-526). Lubricate the caster stems with the same grade oil, and the wheels with grease (Specification 2-108).

2-17. PERIODIC INSPECTION.

2-18. The equipment may be checked almost entirely by visual inspection since there are very few internal or concealed parts. Table II lists the parts requiring inspection and what procedure to follow.



1. Air Vent
2. Release Valve

Figure 2-2. Pump Assembly

TABLE II. INSPECTION CHART

PERIOD	POINT OF INSPECTION	PROCEDURE
Prior to use	All bolted connections	Tighten securely.
	Hose connections	Check for leaks and tighten.
	Reservoir	Check oil level.
	Ram and extension screw	Check for dirt or corrosion and free rotation of ram lock nut.

2-19. TROUBLE SHOOTING.

2-20. Table III lists the troubles that may be encountered when using the jack, gives their probable causes, and tells what steps must be taken to remedy the fault.

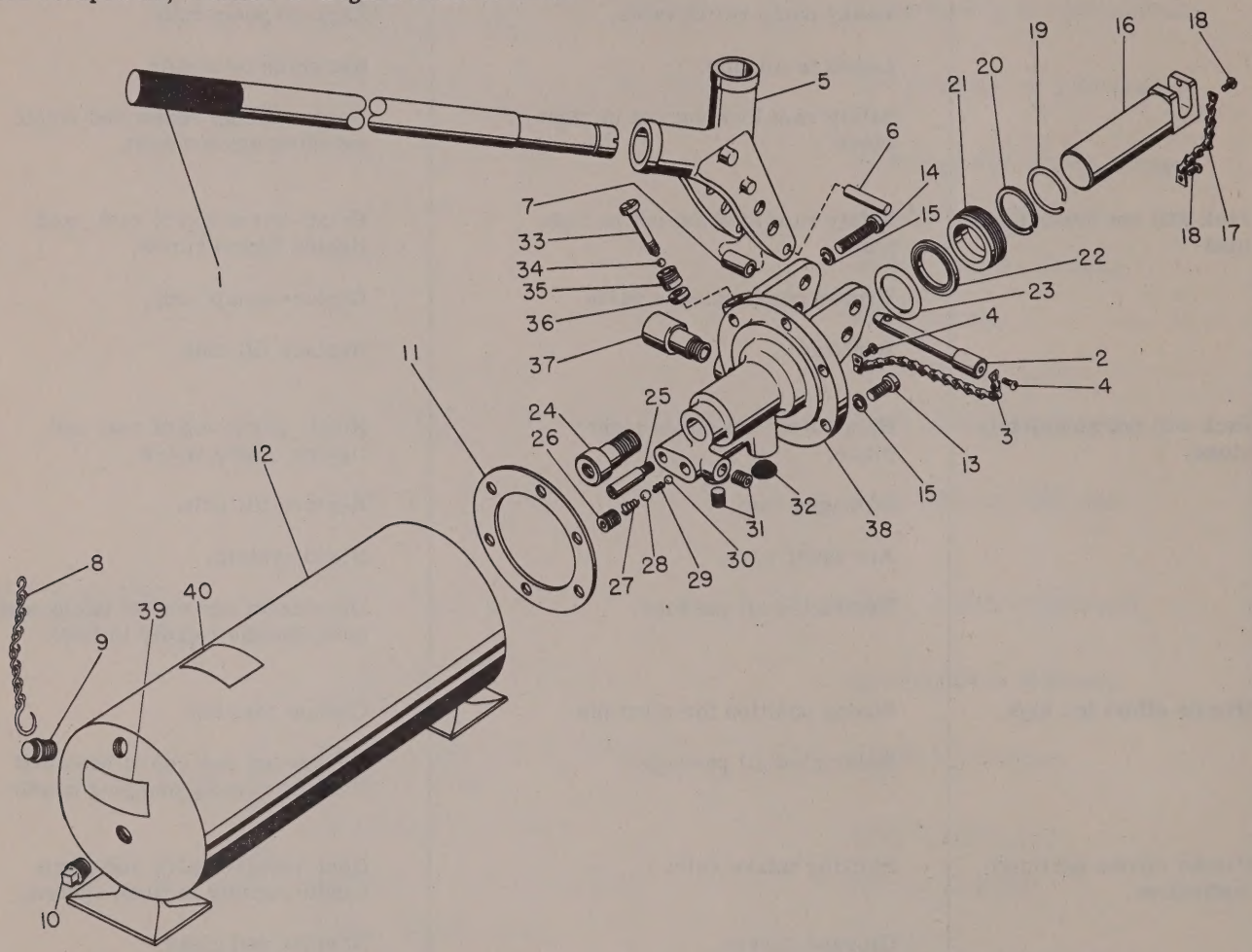
TABLE III. TROUBLE SHOOTING CHART

TROUBLE	PROBABLE CAUSE	REMEDY
Ram will not rise	Open release valve. (Oil passing back into reservoir.)	Close valve firmly. If necessary, reopen valve, pump rapidly to flush out foreign matter. Close valve.
	Open intake valve.. (Oil passing back into reservoir.)	Pump rapidly to flush system.
	Open discharge valve. (Oil passing back into pump chamber.)	Pump rapidly to flush system.
	Sticking intake valve.	Pump rapidly to flush system.
	Clogged screen.	Remove and clean.
	Lack of oil.	Refill - check for leaks.
	Air under ram.	Bleed system.
	Leaks in oil line.	Retighten or repair.
	Faulty pump safety valve. (Set too low or it leaks.)	Reset (2550 to 2925 psi).
	Faulty jack relief valve. (Set too low or it leaks.)	Reset (2975 to 3350 psi).
Jack will not raise capacity load.	Faulty pump safety valve. (Set too low.)	Reset. (2550 to 2925 psi).
	Faulty jack relief valve. (Set too low.)	Reset (2975 to 3350 psi).
	High pressure leaks. (At joints, plugs or tubing.)	Retighten or repair.
	Leaky discharge valve.	Replace pump body.
	Leaky ram "O" ring packing.	Replace packing.
	Leaky release valve.	Tighten.
	Leaky pump "O" ring packing.	Replace packing.
Jack will not rise to full height.	Lack of oil.	Refill reservoir - check system for leaks.
	Sticking intake valve.	Pump rapidly to dislodge.
	Clogged screen.	Remove and clean.
	Closed air vent.	Open.
Jack rises and falls during each stroke.	Leaky discharge valve.	Replace pump body.

TROUBLE	PROBABLE CAUSE	REMEDY
Jack will not hold up load.	Leaky release valve.	Tighten.
	Leaky discharge valve.	Replace pump body.
	Leaky ram "O" ring packing.	Replace packing.
	Leaky pump relief valve.	Replace pump base.
	Leaks in oil line.	Retighten or repair.
	Safety ram lock nut not in right place.	Loosen thumb screw and rotate nut down against seat.
Jack will not lower the load.	Safety ram lock nut not in right place.	Rotate nut to top of ram, and tighten thumb screw.
	Broken pump release valve.	Replace pump body.
	Bent ram.	Replace lift unit.
Jack will not completely close.	Ram safety nut not in right place.	Rotate nut to top of ram and tighten thumb screw.
	Damaged ram.	Replace lift unit.
	Air under ram.	Bleed system.
	Restricted oil passage.	Disconnect one end of tubing and pump handle rapidly to flush.
Handle effort too high.	Wrong position for pivot pin.	Change position.
	Restricted oil passage.	Disconnect one end of hose and flush by rapidly pumping handle.
Handle stroke partially ineffective.	Sticking intake valve.	Open release valve and pump handle rapidly to flush system.
	Clogged screen.	Remove and clean.
	Closed air vent.	Open.
	Air in pump chamber.	Open release valve and pump handle rapidly to flush system.
Handle moves back toward reservoir.	Leaky discharge valve. Air in pump chamber.	Open release valve and pump handle rapidly to flush.
Handle raises without effort.	Leaky intake valve.	Open release valve and pump handle rapidly to flush.

TROUBLE	PROBABLE CAUSE	REMEDY
Handle snaps back.	Sticking intake valve.	Open release valve and pump handle rapidly to flush.
	Clogged screen.	Remove and clean.
	Closed air vent.	Open.

2-21. OTHER SERVICING. If paint has peeled or been scraped off, restore to original finish in accordance with AF Bulletin F49-4, color 506.



1. Handle
2. Socket Pin Assembly
3. Chain
4. Screw
5. Socket
6. Piston Pin
7. Roller
8. Chain
9. Vent Assembly
10. Plug
11. Gasket
12. Reservoir
13. Screw
14. Screw
15. Washer
16. Piston
17. Chain
18. Screw
19. Snap Ring
20. Wiper
21. Wiper Nut
22. Backup Ring
23. "O" Ring
24. Safety Valve
25. Relief Valve
26. Plug
27. Discharge Valve Spring
28. Ball
29. Intake Valve Spring
30. Ball
31. Plug
32. Screen
33. Release Assembly
34. Ball
35. Packing Nut
36. Packing
37. Female Connector Assembly
38. Pump Body
39. Instruction Decalcomania
40. Capacity Decalcomania

Figure 3-1. Pump Assembly

SECTION III

REPAIR INSTRUCTIONS

3-1. SPECIAL TOOLS.

3-2. There are no special tools required to repair the Type B-6 10-Ton Hydraulic Tripod Jack.

3-3. PUMP ASSEMBLY (Figure 3-1).

a. Uncouple quick disconnect fitting on hydraulic hose and remove pump assembly from jack. After removing pump handle and filler plug pour out oil and disassemble.

b. Wash parts thoroughly and flush all oil passages with dry cleaning solvent (Specification P-S-661). Replace gasket (11), "O" ring (23) and backup ring (22). Replace steel balls (28 and 30), pump piston pin (6) and roller (7) if pitted or corroded. Check clearance of piston (16) in packing wiper nut (21) and if over 0.008 replace wiper nut. Also check clearance of piston in pump body (37) and if over 0.011 replace both piston and pump body. Replace screen (32) if damaged.

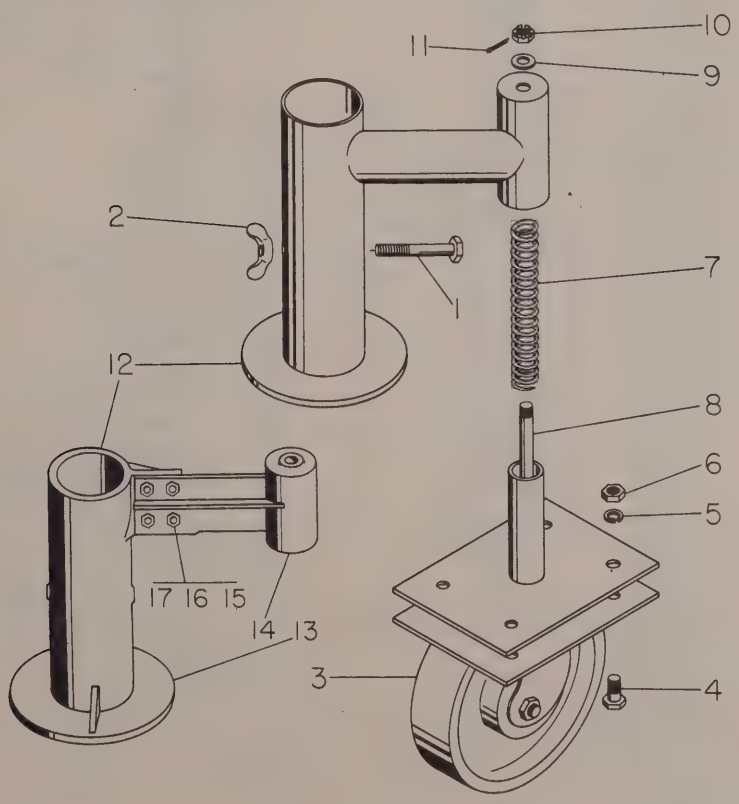
c. Reassemble as indicated in figure 3-1 tapping balls in place with a brass drift to insure seating. It will be necessary to stake pump piston pin (6) in place. Apply a thin film of hydraulic oil to the piston before assembling. Screw safety valve (24) down until spring bottoms in valve. Fill reservoir and place pump unit in holding fixture or secure to bench and attach a 5000 psi pressure gage to outlet at bottom of pump. Tightly close release valve (33) and open air vent (9) at top of reservoir. Actuate handle to force fluid against pressure gage to check setting of relief valve. Relief valve (25) should actuate between 2975 and 3350 psi. Remove pump assembly from reservoir and set safety valve (24) to operate in a similar manner at 2550 to 2925 psi. If any paint has been scraped or peeled off, restore to original finish in accordance with AF Bulletin F49-4, color 506.

3-4. FEET (Figure 3-2).

a. With the jack lying on its side remove bolts and wing nuts (1 and 2) and pull feet off the leg extension. Disassemble as shown.

b. Inspect all parts for damage and corrosion. Check casters to determine that they rotate and swivel freely. Replace damaged parts.

c. Lubricate the caster stem with oil (Specification VV-O-526), and the wheel with grease (Specification 2-108) before assembling. If any paint has been scraped or peeled off, restore to original finish in accordance with AF Bulletin F49-4, color 506.



1. Bolt
2. Wing Nut
3. Caster
4. Bolt
5. Washer
6. Nut
7. Spring
8. Caster Mount
9. Washer
10. Nut
11. Cotter Pin
12. Arm (Welded)
    Alternate Arm (Cast)
13. Foot
14. Housing
15. Bolt
16. Lock washer
17. Nut

Figure 3-2. Foot Assembly

3-5. CYLINDER AND RAM ASSEMBLY. (Figure 3-3).

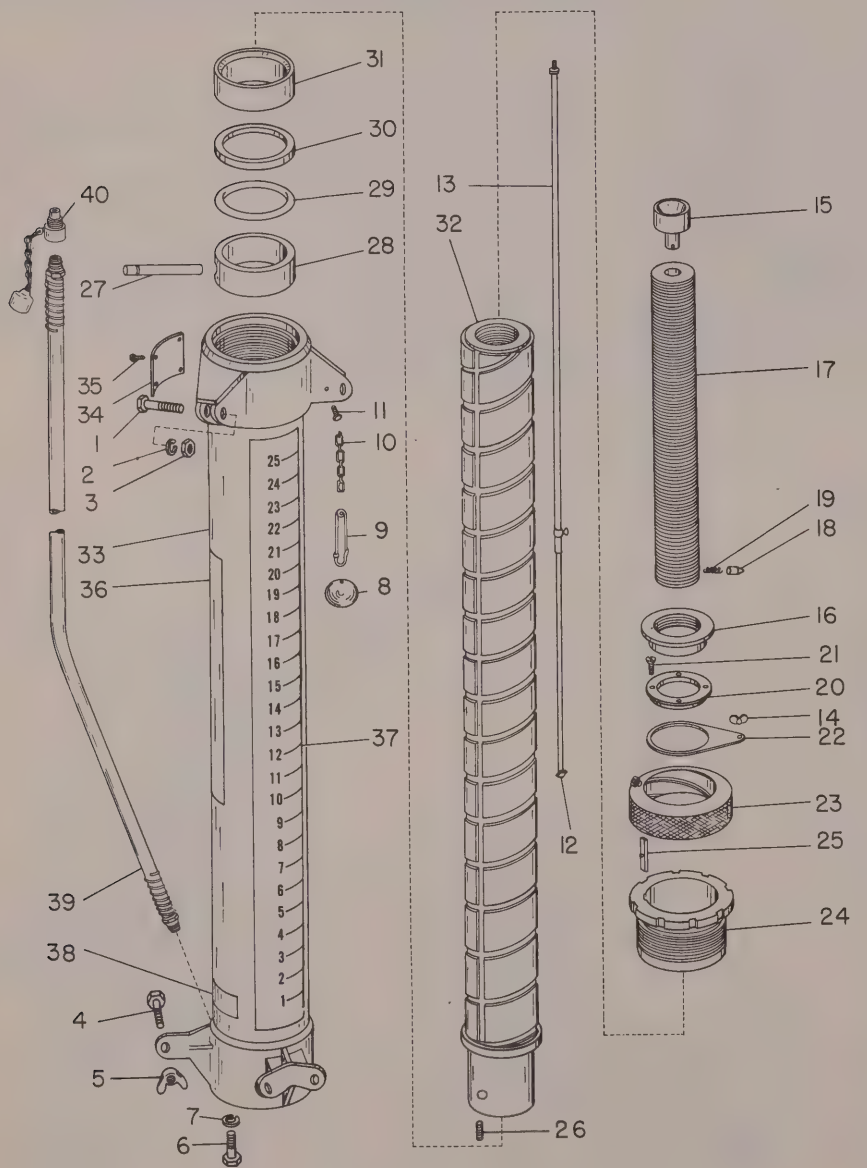
a. Remove attaching parts: bolt, nut, and washer (1, 2, and 3), bolt and nut (4 and 5), and bolt and washer (6 and 7). Pull cylinder and ram assembly out of tripod assembly. Loosen ram upper bearing (24) and pull ram assembly out of cylinder assembly. If available blow compressed air into the oil inlet to aid in removal. Proceed with disassembly in order of index numbers, noting that set screw on ram lock nut assembly (23) has to be loosened before nut can be unscrewed from ram and nut assembly (32) and set screw (26) has to be loosened or removed before the ram pin (27) can be driven out.

b. Wash all parts with dry cleaning solvent (Specification P-S-661).

c. Remove burrs and nicks from all threads and wearing surfaces. Replace "O" ring packing (29) and "Teflon" backup ring (30). If clearance of ram in upper bearing (18) exceeds .015 replace bearing. If clearance of lower bearings (31 and 28) in cylinder exceeds .020 replace bearings.

d. Reassemble in reverse order to that of assembly making certain to apply a thin film of hydraulic oil to the ram and seals before placing the ram assembly into the cylinder.

e. If any paint has been scraped or peeled off, restore to original finish in accordance with AF Bulletin F49-4, color 506.



1. Bolt
2. Nut
3. Washer
4. Bolt
5. Wing Nut
6. Bolt
7. Washer
8. Jack Pad Adapter
9. Pin
10. Chain
11. Screw
12. Rise Indicator Rod
13. Rise Indicator Tube
14. Wing Nut
15. Ball Socket Assembly
16. Extension Screw Nut
17. Extension Screw
18. Plunger
19. Spring
20. Retainer
21. Screw
22. Collar
23. Ram Lock Nut
24. Ram Upper Bearing
25. Key Assembly
26. Set Screw
27. Ram Pin
28. Lower Bearing Ring
29. "O" Ring
30. Backup Ring
31. Upper Bearing Ring
32. Ram and Nut Assembly
33. Cylinder Assembly
34. Name Plate
35. Screw
36. Assembly Decalcomania
37. Rise Indicator Decalcomania
38. Capacity Decalcomania
39. Hose
40. Male Connector

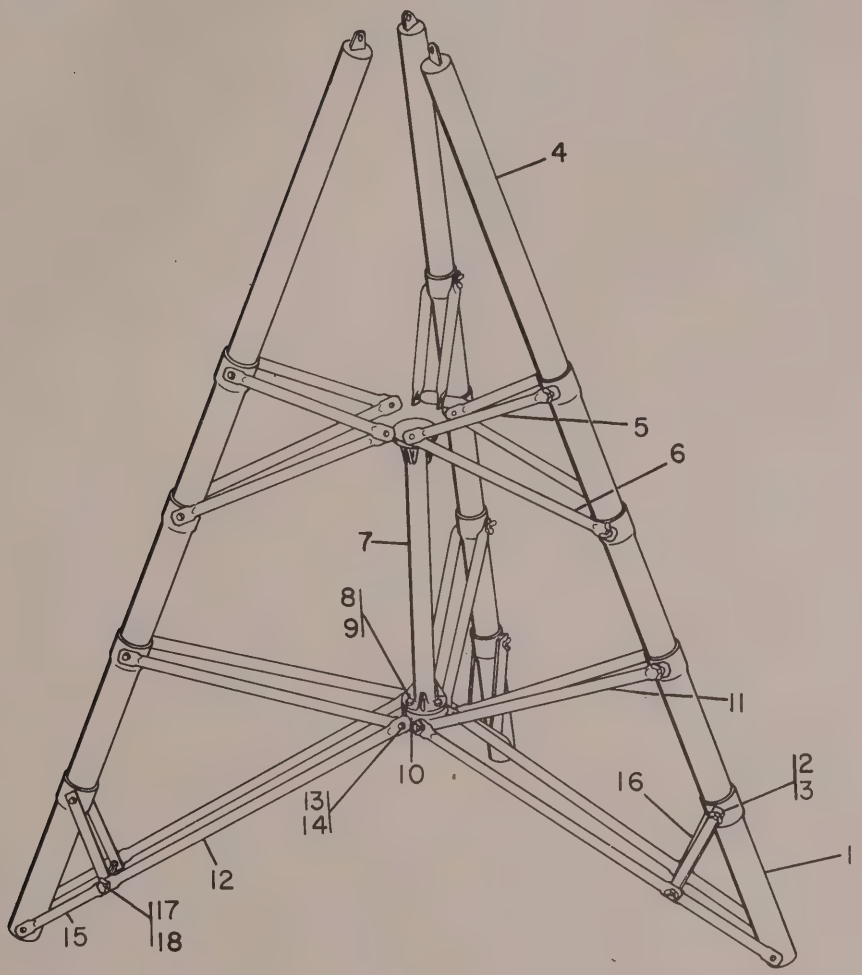
Figure 3-3. Cylinder and Ram Assembly

3-6. TRIPOD ASSEMBLY (Figure 3-4).

a. Disassemble in order of the index numbers.

b. Inspect braces for damage. If bent but not kinked, straighten and refinish. Replace any braces which are kinked. Inspect all parts for cracks or corrosion, replacing any parts found to be in poor condition. All parts requiring refinishing are to be refinished in accordance with AF Bulletin F49-4, color 506.

c. Reassembly is the reverse of disassembly.



1. Leg Extension
2. Bolt
3. Wing Nut
4. Upper Leg
5. No. 1 Brace
6. No. 2 Brace
7. Tension Bar
8. Bolt
9. Washer
10. Web
11. No. 3 Brace
12. No. 4 Brace
13. Bolt
14. Wing Nut
15. No. 5 Brace
16. Brace Link
17. Brace Stud
18. Wing Nut

Figure 3-4. Tripod Assembly

3-7. TEST AFTER REASSEMBLY.

a. Turn the extension screw out until the jack pad socket contacts the load jack pad.

b. Loosen retaining screw on ram locknut.

c. Operate pump, fully extending the ram until pump bypass is reached.

d. Hold pressure against load (20,000 pounds) for not less than 15 minutes. There shall be no apparent settling.

e. There shall be no leakage around top of lift unit cylinder.

f. During the raising operation, check ram locknut to see that it rotates freely on ram and remains positioned on top of cylinder by its own weight.

Part Number	Figure & Index No.	Total Per Equipment
44D9841	2-30	6
44D9842	2-26	6
44D9852	3-9	1
44G23639	2-22	1
44G9822	4-25	1
44K9820	2-	1
45A21336	3-19	1
	3-21	1
48A7858	3-24	6
48A7878	4-5	1
48B7863-1	4-22	1
48B7864-1	4-21	1
48B7875	4-14	1
48C7872	4-18	1
49A7270	4-12	1
49B6412-18	3-16	1
49B6449	4-20	2
49B6450	4-6	1
49B6568	2-1	1
50B7758	3-46	1
50B7759	3-22	1
50B7762	3-25	1
50B7763	3-	1
50B7764	3-8	1
50B7765	3-	1
50B7766	3-31	1
50B7767	3-44	1
50B7768	3-40	1
	3-43	1
50B7769	3-37	1
50B7770	3-38	1
50B7771	2-14	1
50H7757	2-3	1
5005-43ST26	3-5	1
5005-50ST26	3-3	1
51C6546	2-17	1
52B6434	2-55	3
52B6435	2-23	12
52B6436	2-45	3
52J6433	2-	1
608 1/4	2-20	1

SECTION IV

NUMERICAL PARTS LIST

Part Number	Figure & Index No.	Total Per Equipment
Base Assy	3-	1
Bolt	3-23	6
Chain	4-3	1
Lift Unit Assy	2-58	1
Pin	4-2	1
Screw	3-26	2
Valve Assy	3-	1
AF216-1-16	3-35	2
AF216-1-22	3-29	2
AF216-1-32	3-27	1
AN287-1	2-16	1
AN320-10	2-19	1
AN350-1032	4-7	1
AN397-39	3-10	2
AN510-6-10	4-13	4
AN535-8-6	4-4	1
AN6227-18	3-17	1
AN6227-3	3-34	1
AN6227-9	3-41	1
AN932-4	3-36	1
AN935-816L	2-7	1
AN960-1216	2-18	1
AN960-716	3-11	2
AN960-816	2-6	1
R-81	2-21	1
2718A	2-15	1
303D	3-2	1
42A13036	4-15	1
42A13043-1	2-56	3
42A13043-2	2-39	3
	2-41	3
42A13046-1	2-57	3
42A13046-2	2-13	3
	2-25	9
	2-28	6
	2-32	6
	2-36	6
	2-44	3
	2-47	3
	2-50	6
	2-53	3
42A13046-3	2-4	1
42A13047	3-48	1
42A13049	2-5	1
42A13052	2-9	1
42A7529	4-9	1
42A7530	4-1	1
42B12991	4-23	1
42B13039	4-11	1
42B13042	2-23	9
	2-54	3

Part Number	Figure & Index No.	Total Per Equipment
42B13048	2-8	1
42B13050	2-10	1
42B13051	2-11	1
42D12975	2-	1
42D13035	4-16	1
43A12189-1	4-17	1
43A12190-1	4-	1
43A13905	3-1	1
43A13906	2-2	1
43D13773	2-38	1
44A103	3-49	1
44A10313	3-28	1
44A10314	3-42	1
44A10316-1	2-35	6
	2-49	6
44A10316-2	2-12	3
	2-24	9
	2-43	3
	2-46	3
	2-52	3
44A23635	2-27	3
	2-31	3
44A5141	3-6	1
44A5142	3-7	1
44A5144	3-4	1
44A8538	3-30	1
44A8562	3-33	1
44A8566	3-32	1
44A8573	3-47	1
44A9823	4-19	2
44A9826	2-29	6
44A9856	3-14	1
44A9858	3-12	1
44A9859	3-20	1
44A9868	3-15	1
44B23636	2-45	3
44B9830	2-55	3
44B9832	4-10	1
44B9834	2-33	6
44B9849	3-18	1
44D10317	2-40	1
44D23637	2-42	3
44D23638	2-	3
44D9821	4-	1
44D9835	4-	1
44D9836	4-24	1
44D9837	2-48	6
44D9838	2-51	6
44D9839	2-34	6
44D9840	2-37	6

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SECTION I
INTRODUCTION

1-1. GENERAL.

1-2. This parts catalog contains a complete list of all procurable assemblies, subassemblies and parts for the AF type B-3B, 20 Ton Adjustable Tripod Jack, USAF Drawing No. 52J6433 manufactured by The General Tire and Rubber Co., Akron, Ohio, and the AF type B-3, USAF Drawing No. 44K9820 manufactured by the Dixon Manufacturing Co., Inc., Coffeyville, Kansas.

1-3. FIGURE AND INDEX NUMBER COLUMN. The numbers in this column are the index numbers of a part or assembly as shown in the appropriate illustration.

1-4. PART NUMBER COLUMN. In this column are listed part numbers, which are the same as drawing numbers for the parts and/or assemblies. Part numbers shown as "COMM" are commercial hardware.

1-5. NOMENCLATURE COLUMN. In this column is listed each assembly followed by components properly indented to show their relationship to the assembly. The parts are listed in their proper sequence of disassembly except that attaching parts follow immediately after the item to be attached. The attaching parts for any assembly precede any components of said assembly and are listed in the same column as the parts they attach.

1-6. UNITS PER ASSEMBLY COLUMN. This column lists the quantity of each part required within the assembly.

1-7. APPLICATION CODE.

APPLICATION CODE

MODEL	CODE
Type B-3	a
Type B-3B	b
Both Types	All

1-8. USE OF THE CATALOG.

1-9. A part may be identified as follows:

a. When the number of the required part is known, refer to the numerical parts list at the back of this catalog. This list identifies all the parts and gives their respective location in the group assembly parts list.

b. When the part number is not known, locate the part in the accompanying illustration and identify it in the figure and index column.

1-10. MANUFACTURER'S CODE SYMBOLS. Manufacturers of the various items listed in the group assembly parts list are identified by symbol. These symbols are shown below for reference.

CODE	MANUFACTURER
ANN	Anchor Coupling Company, Libertyville, Ill.
CRA	Crane Company, Chicago
NI	Nice Ball Bearing Company
PK	Parker-Kalon Corp.
WKI	Waldes - Koh - I - Noor, Inc.

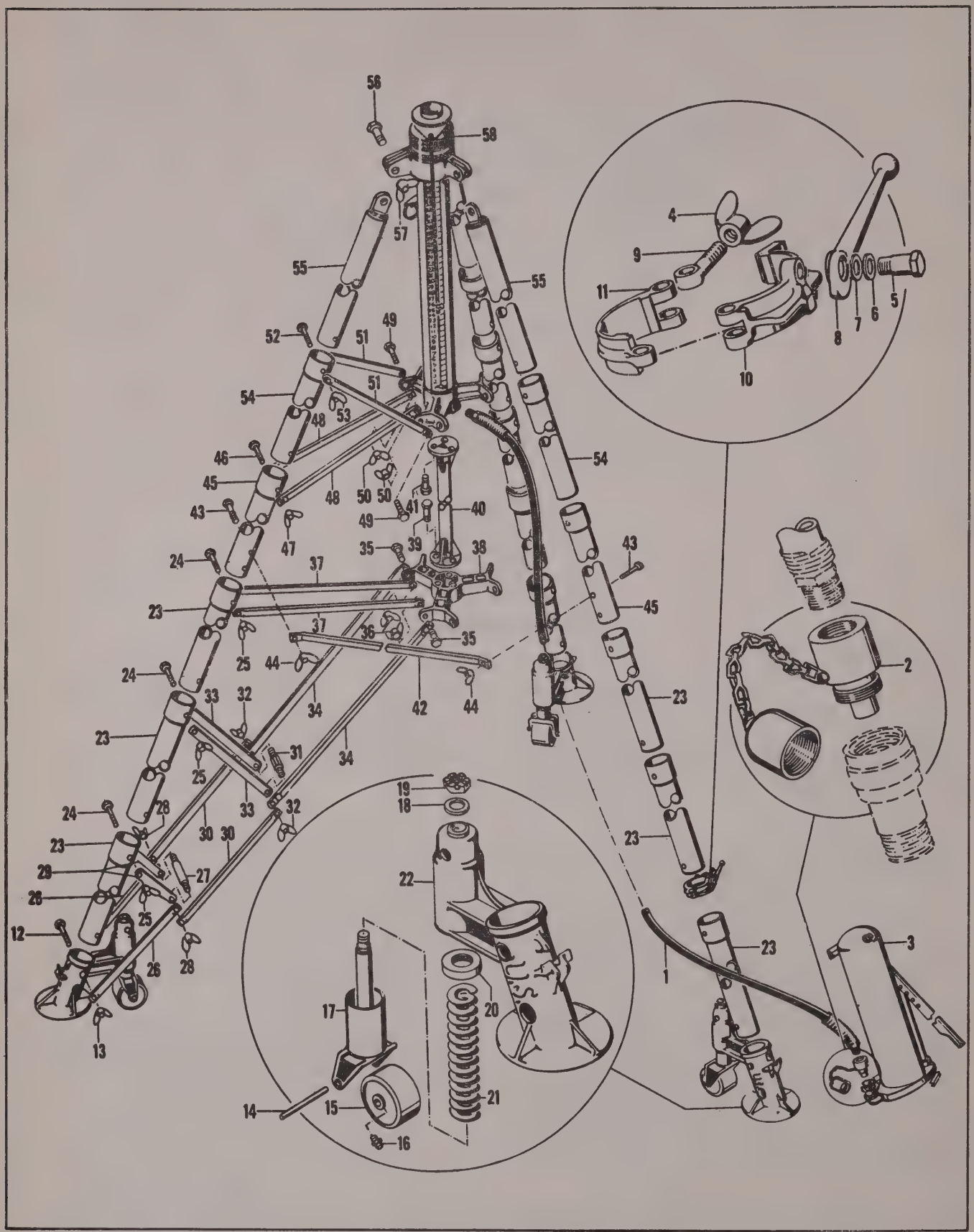

Figure 2. 20- Ton Adjustable Tripod Hydraulic Jack, Type B-3 and B-3B

SECTION II
GROUP ASSEMBLY PARTS LIST

Figure & Index No.	Part Number	Nomenclature 1 2 3 4 5 6 7	Units Per Assy	Application Code
		20 TON ADJUSTABLE TRIPOD AIRCRAFT HYDRAULIC JACK - TYPE B-3		
2-	44K9820	Jack - Aircraft hydraulic tripod, adjustable, 20 ton, type B-3	1	a
2-	52J6433	Jack - Aircraft hydraulic tripod, adjustable, 20 ton, type B-3B.	1	b
-1	49B6568	. Hose Assy - Jack (ANN)	1	All
-2	43A13906	. Connector Assy - Hydraulic hose male.	1	All
-3	50H7757	. Pump Assy - 20 ton tripod jack (see figure 3)	1	All
	42D12975	. Clamp Assy - Pump tripod jack	1	All
-4	42A13046-3	. . Nut - Wing tripod jack	1	All
-5	42A13049	. . Stud - Cam pump clamp.	1	All
-6	AN960-816	. . Washer - Plain steel for 1/2 in. bolt	1	All
-7	AN935-816L	. . Washer - Med spring lock for 1/2 in. bolt	1	All
-8	42B13048	. . Cam - Pump clamp	1	All
-9	42A13052	. . Bolt - Eye pump clamp	1	All
-10	42B13050	. . Clamp - Pump front half	1	All
-11	42B13051	. . Clamp - Pump back half	1	All
2-	44D23638	. Foot Assy - 20 ton tripod jack	3	All
		ATTACHING PARTS		
-12	44A10316-2	. Bolt - Jack brace.	3	All
-13	42A13046-2	. Nut - Wing	3	All
		---*---		
-14	50B7771	. . Axle - Caster tripod jack	1	All
-15	2718A	. . Wheel Assy - Caster (Warren Products Co., Northville, Mich.)	1	All
-16	AN287-1	. . Fitting - Lubricator press grip type D 1/8 in. hole straight	1	All
-17	51C6546	. . Caster Assy - Tripod jack foot, welded	1	All
		ATTACHING PARTS		
-18	AN960-1216	. . Washer - Plain steel for 3/4 in. bolt	1	All
-19	AN320-10	. . Nut - Castle shear steel 5/8-18 NF-3	1	All
		---*---		
-20	608 1/4	. . Bearing - Ball steel (NI)	1	All
-21	R-81	. . Spring - 10 in. steel (E.A. Baumbach Mfg. Co., Chicago, Ill.)	1	All
-22	44G23639	. . Foot - Caster tripod jack	1	All
-23	42B13042	. Leg - Extension	9	a
-23	52B6435	. Leg - Extension	12	b
		ATTACHING PARTS		
-24	44A10316-2	. Bolt - Jack brace.	9	All
-25	42A13046-2	. Nut - Wing	9	All
		---*---		
-26	44D9842	. Brace - No. 6 tripod jack	6	All
		ATTACHING PARTS		
-27	44A23635	. Stud - Spacer brace	3	All
-28	42A13046-2	. Nut - Wing	6	All
		---*---		
-29	44A9826	. Link - Brace short	6	All
-30	44D9841	. Brace - No. 5 tripod jack	6	All
		ATTACHING PARTS		
-31	44A23635	. Stud - Brace spacer	3	All
-32	42A13046-2	. Nut - Wing	6	All
		---*---		
-33	44B9834	. Link - Brace long	6	All
-34	44D9839	. Brace - No. 4 tripod jack	6	All
		ATTACHING PARTS		
-35	44A10316-1	. Bolt - Jack brace.	6	All

See page 1 for application code for this page

Figure & Index No.	Part Number	Nomenclature 1 2 3 4 5 6 7	Units Per Assy	Application Code
		20 TON ADJUSTABLE TRIPOD AIRCRAFT HYDRAULIC JACK - TYPE B-3 (cont)		
2-36	42A13046-2	. Nut - Wing	6	All
		---*---		
-37	44D9840	. Brace - No. 3 tripod jack	6	All
-38	43D13773	. Web - Brace	1	All
		ATTACHING PARTS		
-39	42A13043-2	. Bolt - Top leg	3	All
		---*---		
-40	44D10317	. Bar Assy - Tension welded	1	All
		ATTACHING PARTS		
-41	42A13043-2	. Bolt - Top leg	3	All
		---*---		
-42	44D23637	. Brace - No. 7 tripod jack	3	All
		ATTACHING PARTS		
-43	44A10316-2	. Bolt - Jack brace	3	All
-44	42A13046-2	. Nut - Wing	3	All
		---*---		
-45	44B23636	. Leg - Extension cross brace	3	a
-45	52B6436	. Leg - Extension cross brace	3	b
		ATTACHING PARTS		
-46	44A10316-2	. Bolt - Jack brace	3	All
-47	42A13046-2	. Nut - Wing	3	All
		---*---		
-48	44D9837	. Brace - No. 2 tripod jack	6	All
		ATTACHING PARTS		
-49	44A10316-1	. Bolt - Jack brace	6	All
-50	42A13046-2	. Nut - Wing	6	All
		---*---		
-51	44D9838	. Brace - No. 1 tripod jack	6	All
		ATTACHING PARTS		
-52	44A10316-2	. Bolt - Jack brace	3	All
-53	42A13046-2	. Nut - Wing	3	All
		---*---		
-54	42B13042	. Leg - Extension	3	All
-55	44B9830	. Leg - Upper	3	a
-55	52B6434	. Leg - Upper	3	b
		ATTACHING PARTS		
-56	42A13043-1	. Bolt - Jack brace	3	All
-57	42A13046-1	. Nut - Wing	3	All
		---*---		
-58	No Number	. Lift Unit Assy - 20 ton tripod jack (See figure 4)	1	All

Figure & Index No.	Part Number	Nomenclature 1 2 3 4 5 6 7	Units Per Assy	Application Code
		20 TON TRIPOD JACK PUMP ASSEMBLY		
3	50H7757	Pump Assy - 20 ton tripod jack (See figure 2-3)	Ref	All
-1	43A13905	. Connector Assy - Hydraulic hose female	1	All
-2	303D	. Elbow - Steel 3/8 in. NPT (CRA)	1	All
3-	50B7763	. Vent Assy - Air	1	All
-3	5005-50ST26	. . Ring - Retaining Truarc self-locking (WKI)	1	All
-4	44A5144	. . Felt - Air vent.	1	All

See page 1 for application code this page.

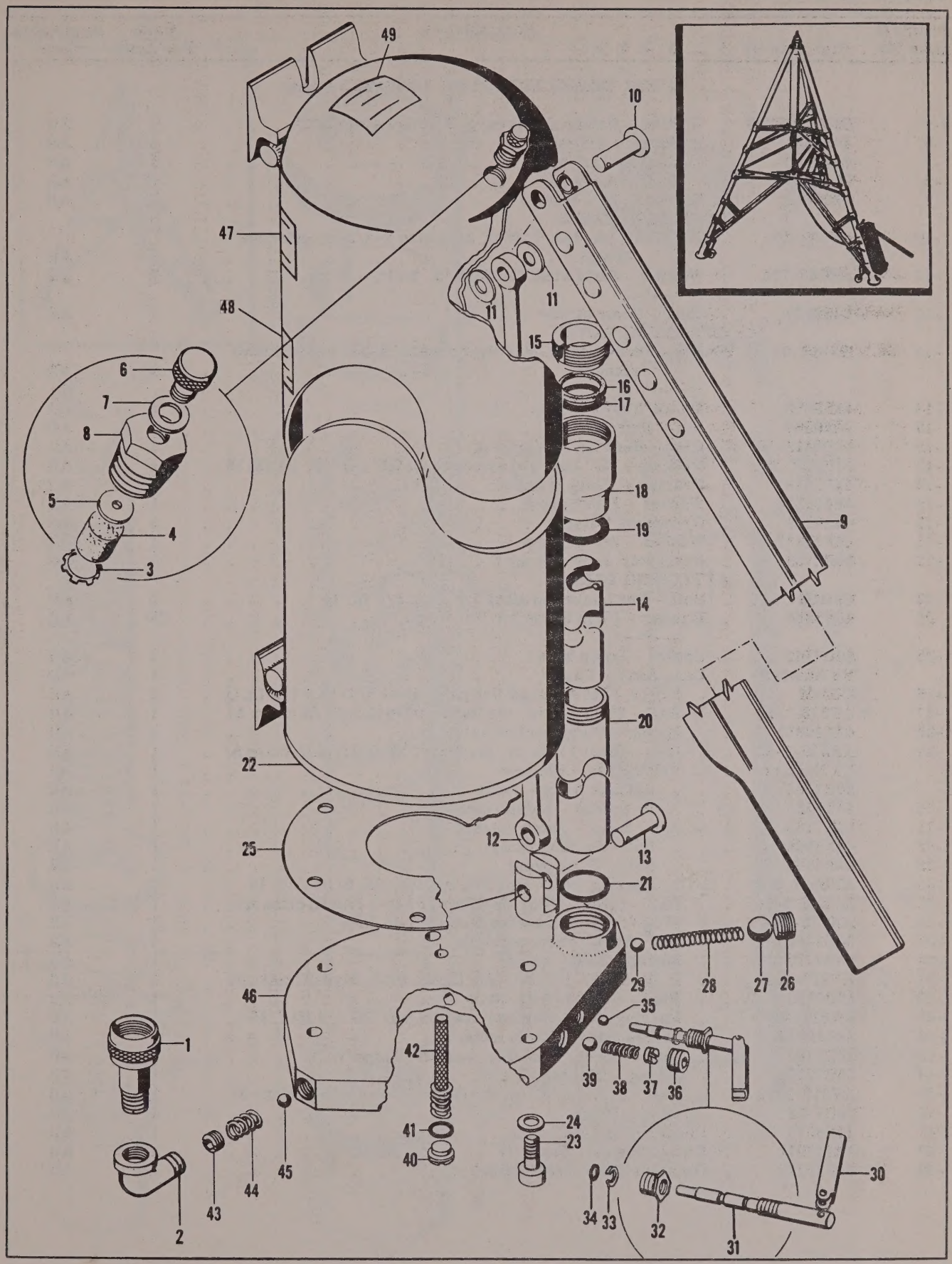

Figure 3. Pump Assembly, 20-Ton Tripod Jack

Figure & Index No.	Part Number	Nomenclature 1 2 3 4 5 6 7	Units Per Assy	Application Code
		20 TON TROPOD JACK LIFT UNIT ASSEMBLY		
4	No Number	Lift Unit Assy - 20 ton tripod jack (See figure 2-58)	Ref	All
-1	42A7530	. Adapter - Jack pad	1	All
-2	COMM	. Pin - Safety steel 3 in. lg	1	All
-3	COMM	. Chain - Steel (Spec. R.R.-C-271 Type B Class 3)	1	All
		ATTACHING PARTS		
-4	AN535-8-6	. Screw - Rd hd steel No. 8 x 3/8 in. lg	1	All
		---*---		
-5	48A7878	. Rod - Pointer rise indicator	1	All
-6	49B6450	. Tube Assy - Rise indicator	1	All
		ATTACHING PARTS		
-7	AN350-1032	. Nut - Wing steel No. 10-32 NF-2	1	All
-8	COMM	. Screw - Thumb, steel, cup point, No. 6 NC-2 1/4 in. lg (PK)	1	All
4-	44D9821	. Ram Assy - 20 ton tripod jack	1	All
-9	42A7529	. . Socket Assy - Ball type jack pad.	1	All
-10	44B9832	. . Screw Assy - Extension	1	All
-11	42B13039	. . Nut - Lock extension screw	1	All
-12	49A7270	. . Clamp - Collar rise indicator.	1	All
		ATTACHING PARTS		
-13	AN510-6-10	. . Screw - 82° flat hd mach (fine thd) steel No. 6 x 5/8 in. lg	4	All
		---*---		
-14	48B7875	. . Collar - Rise indicator	1	All
4-	43A12190-1	. . Nut Assy - Ram lock	1	All
-15	42A13036	. . . Screw - Retaining	1	All
-16	42D13035	. . . Nut - Ram lock	1	All
-17	43A12189-1	. . Key Assy - Ram nut.	1	All
-18	48C7872	. . Bearing - Ram upper	1	All
-19	44A9823	. . Pin - Cross ram	2	All
-20	49B6449	. . Bearing - Ram lower	2	All
-21	48B7864-1	. . Packing - "O" ring pump	1	All
-22	48B7863-1	. . Ring - Back up packing pump	1	All
4-	44D9835	. . Ram and Nut Assy - Tripod jack.	1	All
-23	42B12991	. . . Nut - Extension screw bearing	1	All
-24	44D9836	. . . Ram - 20 ton tripod jack	1	All
-25	44G9822	. Cylinder Assy - 20 ton tripod jack welded.	1	All

SECTION III

SPECIAL SERVICE TOOLS LIST

3-1. No special service tools are required to disassemble or assemble this jack. Ordinary mechanic's tools available at any repair depot are adequate.

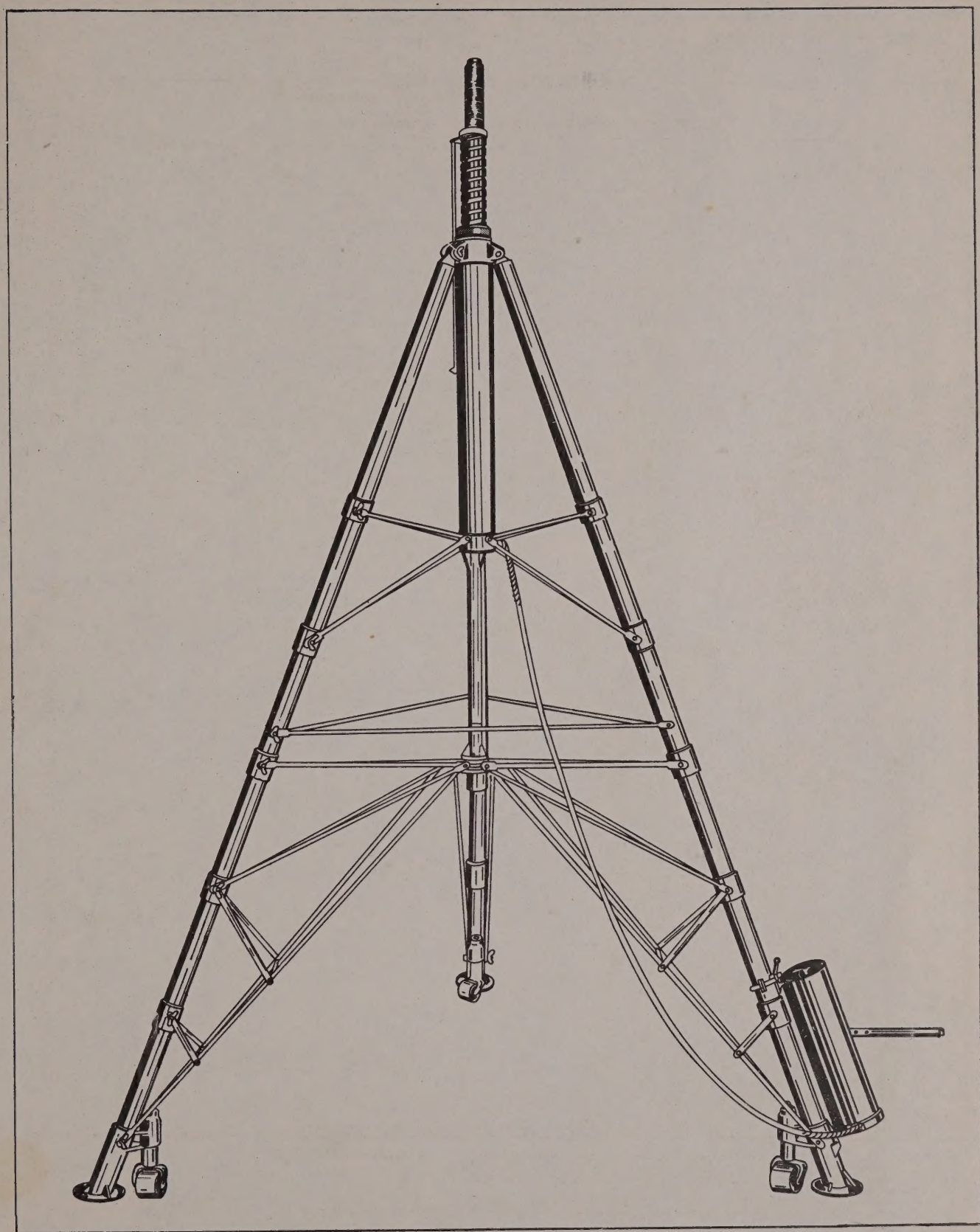

Figure 1. Typical View, 20 Ton Adjustable Tripod Jack Assembly